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Dec 10, 1973

DERWENT-ACC-NO: 1974-35958V

DERWENT-WEEK: 197419

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TITLE: Mouldings with embossed surfaces - from moulds coated with paint which cracks in a definite pattern on heating

PRIORITY-DATA: 1971SU-1686042 (July 23, 1971)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SU 392158 A	December 10, 1973		000	

INT-CL (IPC): C23B 7/08

ABSTRACTED-PUB-NO: SU 392158A

BASIC-ABSTRACT:

The process which replaces expensive and time consuming hand engraving is simpler and more efficient. It consists of preparing a mould from a heat resistant plastic, coating it with a suitable paint which on heating produces a pattern such as frost, moire or crackle, metallizing the patterned surface using chemical or vacuum techniques, and depositing a suitable metal or alloy such as e.g. Ni, Ni-Co, etc., by galvanoplastic methods. The patterned surfaces require no polishing, are attractive and find use in instrument mfr., radio, electronic and chemical industries. The sequence of operations is as follows: prepn. of a smooth mould from PTFE, epoxy resin, etc., degreasing, drying at 10-23 degrees C, applying the first coat of the paint or enamel, drying at 18-23 degrees C, applying the second coat, drying at 18-23 degrees C for 10-15 min., heating to 130 degrees C for 60 min. to form the desired pattern, metallizing the patterned surface, depositing a suitable metal or alloy by galvanoplastic methods and removing the mould.